

Amendments to the Claims

1. Claim 1 (canceled): ~~A solid chemical composition that provides a sustained release of active oxygen and complex inorganic phosphates, comprising a dry mixture of discrete particles of:~~
 - ~~a. A solid chemical source of active oxygen from about 20% to 99% by weight percent of said composition; and~~
 - ~~b. at least two complex inorganic phosphates selected from the group consisting of ringed metaphosphates and linear polyphosphates and any combinations thereof whereby the total amount of said complex phosphates is in the range of from about 1% to 80% by weight percent of said composition.~~
2. Claim 2 (canceled): ~~The solid chemical composition of Claim 1, whereby said solid chemical source of active oxygen is one or more selected from the group consisting of calcium peroxide and magnesium peroxide.~~
3. Claim 3 (canceled)
4. Claim 4 (canceled): ~~The solid chemical composition of Claim 1, whereby said complex inorganic phosphates are one or more selected from the group consisting of sodium hexametaphosphate, sodium trimetaphosphate, sodium tripolyphosphate, sodium-potassium tripolyphosphate, tetrasodium polyphosphate and any combinations thereof.~~
5. Claim 5 (canceled): ~~The solid chemical composition of Claim 1, further comprising a source of inorganic nitrogen from about 0.1% to 10% by weight percent of the composition.~~

6. Claim 6 (canceled): ~~The solid chemical composition of Claim 1, further comprising an ammonium-free source of inorganic nitrogen being one or more selected from the group consisting of sodium nitrate, sodium-potassium nitrate, potassium nitrate, other soluble salts of nitrate, from about 0.1% to 10% by weight percent of said composition.~~
7. Claim 7 (canceled): ~~The solid chemical composition of Claim 1, further comprising a simple inorganic orthophosphate, from about 0.1% to 35% by weight percent of said composition.~~
8. Claim 8 (canceled): ~~The solid chemical composition of Claim 1, further comprising a simple inorganic orthophosphate being one or more selected from the group consisting of sodium phosphate, calcium phosphate, potassium phosphate, and sodium-potassium phosphate, from about 0.1% to 35% by weight percent of said composition.~~
9. Claim 9 (canceled): ~~The solid chemical composition of Claim 1, further comprising an organic disintegrant, from about 0.01% to 5% by weight percent of said composition.~~
10. Claim 10 (canceled): ~~The solid chemical composition of Claim 1, further comprising an organic disintegrant being one or more selected from the group consisting of pre-gelled starch, powdered molasses, granulated sugar, sodium starch glycolate, crosscarmellose of sodium, and crospovidone, from about 0.01% to 5% by weight percent of said composition.~~
11. Claim 11 (canceled): ~~The solid chemical composition of Claim 1, further comprising an inorganic disintegrant, from about 0.05% to 10% by weight percent of said composition.~~

12. Claim 12 (canceled): ~~The solid chemical composition of Claim 1, further comprising an inorganic disintegrant being one or more selected from the group consisting of bentonite, montmorillonite, kaolinite, and other clay minerals, from about 0.05% to 10% by weight percent of said composition.~~
13. Claim 13 (canceled): ~~The solid chemical composition of Claim 1, further comprising an inorganic buffer, from about 0.5% to 60% by weight percent of said composition.~~
14. Claim 14 (canceled): ~~The solid chemical composition of Claim 1, further comprising an inorganic buffer being one or more selected from the group consisting of calcium carbonate, lime, limestone, siderite and ferrous carbonate, rhodochrosite and manganese carbonate, calcium phosphate, sodium bicarbonate, portland cement, metal oxides, metal hydroxides, and metal oxyhydroxides, from about 0.5% to 60% by weight percent of said composition.~~
15. Claim 15 (canceled): ~~The solid chemical composition of Claim 1, further comprising a metal catalyst for chemical oxidation reactions, from about 0.25% to 25% by weight percent of said composition.~~
16. Claim 16 (canceled): ~~The solid chemical composition of Claim 1, further comprising a metal catalyst being one or more selected from the group consisting of ferrous sulfate and other soluble salts of ferrous iron, from about 0.25% to 25% by weight percent of said composition.~~
17. Claim 17 (canceled): ~~The solid chemical composition of Claim 1, further comprising a lubricant, from about 0.01% to 1.5% by weight percent of said composition.~~
18. Claim 18 (canceled): ~~The solid chemical composition of Claim 1, further comprising a lubricant being one or more selected from the group consisting of magnesium stearate, calcium stearate and other stearates, stearic acid, sodium stearyl fumarate, hydrogenated~~

~~vegetable oil, silicone, talc, and corn starch, from about 0.01% to 1.5% by weight percent of said composition.~~

19. Claim 19 (canceled)
20. Claim 20 (canceled)
21. Claim 21 (previously presented): A solid-chemical composition which provides a sustained-release of active oxygen and complex inorganic phosphates, comprising:
 - a. A solid-chemical source of active oxygen being one or more selected from the group consisting of calcium peroxide and magnesium peroxide, from about 57% to 95% by weight percent of said composition;
 - b. Sodium hexametaphosphate, being a complex inorganic phosphate, from about 0.25% to 25% by weight percent of said composition;
 - c. Sodium trimetaphosphate, being a complex inorganic phosphate from about 0.25% to 25% by weight percent of said composition;
 - d. Pre-gelled starch, being an organic disintegrant, from about 0.1% to 4% by weight percent of said composition;
 - e. Magnesium stearate, being a lubricant, from about 0.05% to 1% by weight percent of said composition.
22. Claim 22 (previously presented): The solid-chemical composition of Claim 21, further comprising another complex inorganic phosphate being one or more selected from the group consisting of sodium tripolyphosphate, sodium-potassium tripolyphosphate, and tetrasodium polyphosphate, from about 0.1% to 15% by weight percent of said composition.

23. Claim 23 (previously presented): The solid-chemical composition of Claim 21, further comprising a source of inorganic nitrogen from about 0.1% to 5% by weight percent of said composition.
24. Claim 24 (previously presented): The solid-chemical composition of Claim 21, further comprising an ammonium-free source of inorganic nitrogen being one or more selected from the group consisting of sodium nitrate, sodium-potassium nitrate, potassium nitrate, and other soluble salts of nitrate, from about 0.1% to 5% by weight percent of said composition.
25. Claim 25 (previously presented): The solid-chemical composition of Claim 21, further comprising a simple inorganic orthophosphate, from about 0.1% to 20% by weight percent of said composition.
26. Claim 26 (previously presented): The solid-chemical composition of Claim 21, further comprising a simple inorganic orthophosphate being one or more selected from the group consisting of sodium phosphate, calcium phosphate, potassium phosphate, and sodium-potassium phosphate, from about 0.1% to 20% by weight percent of said composition.
27. Claim 27 (previously presented): The solid-chemical composition of Claim 21, further comprising another organic disintegrant being one or more selected from the group consisting of powdered molasses, granulated sugar, sodium starch glycolate, crosscarmellose of sodium, and crospovidone, from about 0.01% to 1% by weight percent of said composition.
28. Claim 28 (previously presented): The solid-chemical composition of Claim 21, further comprising an inorganic disintegrant, from about 0.05% to 10% by weight percent of said composition.

29. Claim 29 (previously presented): The solid-chemical composition of Claim 28, further comprising an inorganic disintegrant being one or more selected from the group consisting of bentonite, montmorillonite, kaolinite, and other clay minerals, from about 0.05% to 10% by weight percent of said composition.
30. Claim 30 (previously presented): The solid-chemical composition of Claim 21, further comprising an inorganic buffer, from about 0.5% to 30% by weight percent of said composition.
31. Claim 31 (previously presented): The solid-chemical composition of Claim 21, further comprising an inorganic buffer being one or more selected from the group consisting of calcium carbonate, lime, limestone, siderite and ferrous carbonate, rhodochrosite and manganese carbonate, calcium phosphate, sodium bicarbonate, portland cement, metal oxides, metal hydroxides, and metal oxyhydroxides, from about 0.5% to 30% by weight percent of said composition.
32. Claim 32 (previously presented): The solid-chemical composition of Claim 21, further comprising a metal catalyst for chemical-oxidation reactions, from about 0.25% to 15% by weight percent of said composition.
33. Claim 33 (previously presented): The solid-chemical composition of Claim 21, further comprising a metal catalyst being one or more selected from the group consisting of ferrous sulfate and other soluble salts of ferrous iron, from about 0.25% to 15% by weight percent of said composition.
34. Claim 34 (previously presented): The solid-chemical composition of Claim 21, further comprising another lubricant being one or more selected from the group consisting of calcium stearate and other stearates, stearic acid, sodium stearyl fumarate, hydrogenated

vegetable oil, silicone, talc, and corn starch, from about 0.01% to 1% by weight percent of said composition.

- 35. Claim 35 (canceled)
- 36. Claim 36 (canceled)
- 37. Claim 37 (canceled): ~~The solid-chemical composition of Claim 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, or 18, whereby said composition is prepared in the form of granules, briquettes, tablets, capsules, pellets, and any combinations thereof.~~
- 38. Claim 38 (previously presented): The solid-chemical composition of Claim 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, or 34, whereby said composition is prepared in the form of granules, briquettes, tablets, capsules, pellets, and any combinations thereof.
- 39. Claim 39 (canceled)
- 40. Claim 40 (canceled)
- 41. Claim 41 (canceled)
- 42. Claim 42 (canceled)
- 43. Claim 43 (canceled)
- 44. Claim 44 (canceled)
- 45. Claim 45 (canceled)
- 46. Claim 46 (canceled)
- 47. Claim 47 (canceled)

48. Claim 48 (new): A solid-chemical composition which provides a sustained-release of active oxygen and complex inorganic phosphates, comprising:
- a. A solid-chemical source of active oxygen being one or more selected from the group consisting of calcium peroxide and magnesium peroxide, from about 57% to 95% by weight percent of said composition;
 - b. Sodium hexametaphosphate, being a complex inorganic phosphate, from about 0.25% to 25% by weight percent of said composition;
 - c. Sodium trimetaphosphate, being a complex inorganic phosphate, from about 0.25% to 25% by weight percent of said composition;
49. Claim 49 (new): The solid-chemical composition of Claim 48, further comprising another complex inorganic phosphate being one or more selected from the group consisting of sodium tripolyphosphate, sodium-potassium tripolyphosphate, and tetrasodium polyphosphate, from about 0.1% to 15% by weight percent of said composition.
50. Claim 50 (new): The solid-chemical composition of Claim 48, further comprising a source of inorganic nitrogen from about 0.1% to 5% by weight percent of said composition.
51. Claim 51 (new): The solid-chemical composition of Claim 48, further comprising an ammonium-free source of inorganic nitrogen being one or more selected from the group consisting of sodium nitrate, sodium-potassium nitrate, potassium nitrate, and other soluble salts of nitrate, from about 0.1% to 5% by weight percent of said composition.
52. Claim 52 (new): The solid-chemical composition of Claim 48, further comprising a simple inorganic orthophosphate, from about 0.1% to 20% by weight percent of said composition.

53. Claim 53 (new): The solid-chemical composition of Claim 48, further comprising a simple inorganic orthophosphate being one or more selected from the group consisting of sodium phosphate, calcium phosphate, potassium phosphate, and sodium-potassium phosphate, from about 0.1% to 20% by weight percent of said composition.
54. Claim 54 (new): The solid-chemical composition of Claim 48, further comprising an organic disintegrant being one or more selected from the group consisting of pre-gelled starch, powdered molasses, granulated sugar, sodium starch glycolate, crosscarmellose of sodium, and crospovidone, from about 0.01% to 1% by weight percent of said composition.
55. Claim 55 (new): The solid-chemical composition of Claim 48, further comprising an inorganic disintegrant being one or more selected from the group consisting of bentonite, montmorillonite, kaolinite, and other clay minerals, from about 0.05% to 10% by weight percent of said composition.
56. Claim 56 (new): The solid-chemical composition of Claim 48, further comprising an inorganic buffer, from about 0.5% to 30% by weight percent of said composition.
57. Claim 57 (new): The solid-chemical composition of Claim 48, further comprising an inorganic buffer being one or more selected from the group consisting of calcium carbonate, lime, limestone, siderite and ferrous carbonate, rhodochrosite and manganese carbonate, calcium phosphate, sodium bicarbonate, portland cement, metal oxides, metal hydroxides, and metal oxyhydroxides, from about 0.5% to 30% by weight percent of said composition.
58. Claim 58 (new): The solid-chemical composition of Claim 48, further comprising a metal catalyst for chemical-oxidation reactions, from about 0.25% to 15% by weight percent of said composition.

59. Claim 59 (new): The solid-chemical composition of Claim 48, further comprising a metal catalyst being one or more selected from the group consisting of ferrous sulfate and other soluble salts of ferrous iron, from about 0.25% to 15% by weight percent of said composition.
60. Claim 60 (new): The solid-chemical composition of Claim 48, further comprising a lubricant being one or more selected from the group consisting of magnesium stearate, calcium stearate and other stearates, stearic acid, sodium stearyl fumarate, hydrogenated vegetable oil, silicone, talc, and corn starch, from about 0.01% to 1% by weight percent of said composition.
61. Claim 61 (new): The solid-chemical composition of Claim 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, or 60, whereby said composition is prepared in the form of granules, briquettes, tablets, capsules, pellets, and any combinations thereof.